Ann. Scuola Norm. Sup. Pisa Cl. Sci. (5) Vol. VI (2007), 103-116

Continuity of solutions of linear, degenerate elliptic equations

JANI ONNINEN AND XIAO ZHONG

Abstract. We consider the simplest form of a second order, linear, degenerate, elliptic equation with divergence structure in the plane. Under an integrability condition on the degenerate function, we prove that the solutions are continuous.

Mathematics Subject Classification (2000): 30C60 (primary); 35J15, 35J70 (secondary).